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TITLE: CONTAINER POSITION DETECTOR

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ABSTRACT:

PROBLEM TO BE SOLVED: To accurately detect a three-dimensional relative position in a container upper surface of cargo handled object relating to a hoisting accessory.

SOLUTION: This detector has a plurality of CCD cameras installed in a vertical lower direction in a hoisting accessory arranged in a crane conveying a container to respectively photograph a plurality of corner metal fittings arranged in a container upper surface of cargo handled object, a distance measurement equipment measuring a distance between the hoisting accessory and a container of cargo handled object, a picture processor picture processing a picture signal from the CCD camera to detect two-dimensional coordinates of the corner metal fitting in the container upper surface of cargo handled object, and an arithmetic device calculating a three-dimensional relative position in the container upper surface of cargo handled object relating to the hoisting accessory based on distance information indicating a distance between the

hoisting accessory and the container of cargo handled object measured by the two-dimensional coordinate of a plurality of the corner metal fittings in the container upper surface of cargo handled object detected by the picture processor and the distance measurement equipment.

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